

## Experience

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**Software Engineer****Ravelin****Sep 2017 - Aug 2018**

Full stack engineer primarily developing and maintaining customer facing dashboard built with Angular and powered by Go micro-services

- Added end-to-end tests to Angular dashboard to catch regressions during critical user paths
  - Upgraded various parts of CI pipeline to ultimately reduce build times by 50%
  - Improved/implemented many new features of graph visualizations, including closest neighbors highlighting and various filters
  - Built a critical chrome extension used daily by the sales team for prospecting
- Angular, TypeScript, Golang, Circle CI, Docker, D3, React*

**Engineering Co-op Student****Andritz Ltd****May 2016 - Dec 2016**

- Created a suite of Excel tools saving PMs 10 hours every week
  - Significantly reduced time spent searching for SAP materials with small database app
- Python, SQLite, VBA, SAP, Excel*

## Education

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**Vancouver, BC****University of British Columbia****Sep 2013 - May 2019**

- Bachelor of Applied Science in GPA: 3.6/4.3

## Projects

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- **JobBot** ([Github](#)) *Python, Selenium, XPath, NLP*,  
The bot that landed me my job at Ravelin! It's automatically able to apply to job listings using personalized cover letter based on keywords from the job description.
- **Improved UBC Transcript** ([Github](#)) *Python, Flask, TypeScript, MongoDB*,  
Bookmarklet that enhances and beautifies the unofficial UBC transcript, it gets about 450 hits per month and is included as a sidebar resource on the r/UBC subreddit!
- **Crank Arm Motion Tracking** ([Github](#)) *OpenCV, numpy, pandas, scipy*,  
Using motion capture and circle fitting to validate capstone project's sensor readings
- **Cell Sorting Research Project** ([Github](#)) *OpenCV, pandas, scikit-learn, C#, WPF*,  
Building an automated pipeline to cluster cells using features embedded in hidden layers of DCNN
- **Blob Combat Simulation** ([Github](#)) *C++, SFML, QtCreator, Eigen*,  
Combat simulation where 'blobs' evolve over time using neural networks and genetic algorithms. Includes fast-forward button to significantly reduce training time.